

#4. Alaska. 1903.

D: 4277 - 4302.

H: 4779 - 4788.

Aug. 6<sup>th</sup> - 24<sup>th</sup>, '03.

78 247 Items

9. 41.80  
26.73  
4.45

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4277* Date *6 Aug. 1903.*

Tanner Machine. Reel.

Turns *24* Cor. + *1* Depth *25 fms.*

~~Shot or lead~~ *26 lb*

Bottom *gy. S.*

Bottom temperature

No. of thermometer { *no thermos* Cor.

Corrected temperature *LN 520 E.*

Air *55°* Surface *52°* Drift *7/10'*

Trawl or dredge *9' Tr., Sinter, tail- and anc. weights.*

*am* SOUNDING WIRE.

DOWN.	UP.	TURNS.
<i>11.23.20</i>	<i>11.24.20</i>	0
<i>11.23.40</i>	<i>11.23.50</i>	<del>100</del>
		200
<i>Also marks end of Dr. 4276</i>		300
		400
		500
		600
		700
		800
<i>No terminal sds. after this haul, the one attempted miscarried.</i>		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

*am* DREDGE ROPE.

DOWN.	UP.
<i>11.30.00</i>	<i>11.52.00</i>
<i>11.32.00</i>	<i>11.49.50</i>

*18 min.*

*Small haul.*

Alitak Bay, Kodiak Id.  
 Cape Alitak, S 81° W, 4 4/10'

fl  
 118.  
 1/2

2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

7C Survey 1900

Shalika

615-8  
 41 7  
 591 1

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Next Hy. 4779.			
50	" Dr. 4277. ✓			
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.         Date 6 Aug. 1903.

Tanner Machine.

Reel.

Turns 8 Cor. +

Depth

~~Shot or lead 26 lb~~

Bottom

Bottom temperature

No. of thermometer

No thermo. Cor.

Corrected temperature

Air 55

Surface 52

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

11.51.50

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

This was to mark  
end of L. 4277;  
but the wire parted  
before lead struck  
bottom. The reel  
revolving faster than  
the lead sank caused  
kink in wire and  
parted same. At  
that time the resist-  
showed 8 turns out,  
i.e. 8 revolutions of  
the reel. But several  
turns of the wire  
were by that time  
loose around the reel,  
unrevisted, and these  
tangled turns were  
parted by hand and  
dropped over board  
before measured.

Q: How many turns  
of wire remain on reel? —

Lost: 26 lb lead and x fms. wire.

See

below

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

J. C. Survey 1900

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

Call the line 8 + 7 or 15 turns  
 leaving an even 600 on reel.

H. C. S.

H.W.R.

No. *Dr 4278* Date *Aug 6<sup>th</sup> 1903*

*Tanner* Machine. Reel.

Turns *26* Cor. + *1* Depth *27 fms*

Shot or lead *26 lbs*

Bottom *dKgy M*

Bottom temperature *\_\_\_\_\_*

No. of thermometer *Not used* Cor. *(N 65° E)*

Corrected temperature *\_\_\_\_\_*

Air *64°* Surface *53°* Drift *5/10'*

Trawl or dredge *9' Tanner as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE. p.m.	
DOWN.	UP.		DOWN.	UP.
<i>1.05 55</i>	<i>07.</i>	<i>0</i>	<i>1.07.15</i>	<i>1.31.15</i>
<i>6. 25</i>	<i>1. 06 30</i>	<i>25</i>	<i>09.00</i>	<i>30.15</i>
		<i>100</i>	<i>10.45</i>	<i>1.29.00</i>
		<i>50</i>		
		<i>200</i>		
		<i>300</i>		
		<i>400</i>	<i>Time 18<sup>m</sup> 15s.</i>	
		<i>500</i>		
		<i>600</i>	<i>Small haul of</i>	
		<i>700</i>	<i>flounders</i>	
		<i>800</i>	<i>basil fish</i>	
		<i>900</i>	<i>sea urchins etc</i>	
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		



Cape Alital, 57° N., 48<sup>8</sup>/<sub>10</sub>'

OK  
H. J.  
/

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

20 Survey 1900

Hy 4779

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507  
H.W.R.

No. *Dr 4279* Date *August 6<sup>th</sup> 03*

*Tanner* Machine. Reel.

Turns *28* Cor. + *1* Depth *29 fms*

Shot or lead *26 lbs*

Bottom *dk gy M, R*

Bottom temperature           

No. of thermometer *not used* Cor.           

Corrected temperature            (*N 15° W*)

Air *63°* Surface *53°* Drift *9/10'*

Trawl or dredge *9' Tanner as before*

SOUNDING WIRE <i>pm</i>		TURNS.	DREDGE ROPE <i>pm</i>	
DOWN.	UP.		DOWN.	UP.
<i>1.37.30</i>	<i>1.38.45</i>	<i>0</i>	<i>1.38.30</i>	<i>2.03.30</i>
<i>38.00</i>	<i>8.05</i>	<i>25</i>	<i>39.15</i>	
		<i>50</i>	<i>41.15</i>	<i>2.01.00</i>
		<i>100</i>		
		<i>150</i>		
		<i>200</i>		
		<i>250</i>		
		<i>300</i>		
		<i>350</i>		
		<i>400</i>		
		<i>450</i>		
		<i>500</i>		
		<i>550</i>		
		<i>600</i>		
		<i>650</i>		
		<i>700</i>		
		<i>750</i>		
		<i>800</i>		
		<i>850</i>		
		<i>900</i>		
		<i>950</i>		
		<i>1000</i>		
		<i>1050</i>		
		<i>1100</i>		
		<i>1150</i>		
		<i>1200</i>		
		<i>1250</i>		
		<i>1300</i>		
		<i>1350</i>		
		<i>1400</i>		
		<i>1450</i>		
		<i>1500</i>		
		<i>1550</i>		
		<i>1600</i>		
		<i>1650</i>		
		<i>1700</i>		
		<i>1750</i>		
		<i>1800</i>		
		<i>1850</i>		
		<i>1900</i>		
		<i>1950</i>		
		<i>2000</i>		
		<i>2050</i>		
		<i>2100</i>		
		<i>2150</i>		
		<i>2200</i>		
		<i>2250</i>		
		<i>2300</i>		
		<i>2350</i>		
		<i>2400</i>		

*Time 19<sup>h</sup> 45<sup>m</sup>*

*Small haul*

Cape Abbot, S 71° W, 5 5/10'

20  
30  
40

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

2000 fms

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *H<sub>4</sub> 4779* Date *June 6, 1903*

*Tanner* Machine. Reel.

Turns *28* Cor. + *1* Depth *29*

~~Shot or lead~~ *25 lb.*

Bottom *dk gy. R*

Bottom temperature *—*

No. of thermometer *not used* Cor. *—*

Corrected temperature *—*

Air *( )* Surface *53* Drift

~~Trawl or dredge~~

*7m* SOUNDING WIRE.

DOWN. UP.

TURNS.

*110* BRIDGE ROPE.

DOWN.

UP.

*14, 15*  
0

100

200

300

400

500

*11, 12, 13, 14, 15, 16, 17, 18, 19*  
600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cape Alitak, S 54° 10' N, 5 10' W

	2500	
	2600	
	2700	
	2800	At bottom 1400
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4280* Date *10 Aug., 1903.*

*Tanner* Machine. Reel.

Turns *31* Cor. + *1* Depth *32 fms.*

Shot or lead *26 lb*

Bottom *gy. M. S. S.*

Bottom temperature

No. of thermometer *4280* Cor.

Corrected temperature *(N 25° E)*

Air *53°* Surface *51°* Drift *(9/10)*

Trawl or dredge *7' Tanner beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Chigrit Bay, Alaska  
 July 1st 1915. S 77° E. 9  $\frac{2}{10}$

2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *120. 424* Date *10 May 22.*

Machine. Reel.

Turns *40* Cor. + *2* Depth *42 fms.*Shot or lead *75 lb*Bottom *fm.*

Bottom temperature

No. of thermometer *98247* Cor. *+0.2*Corrected temperature *47.0*Air *54°* Surface *51°* Drift *3/10'*Trawl or dredge *4' trawl as before.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.51.00</i>	<i>8.57.00</i>	0	<i>8.57.00</i>	<i>9.15.20</i>
<i>8.52.20</i>	<i>8.58.40</i>	100	<i>9.00.25</i>	
		200		<i>9.11.10</i>
<i>Also made out</i>		300		
		400		
<i>4.20.00.</i>		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Spool 1000 ft. was  
 id out to 70 fms.,  
 and registers at  
 6th mark on  
 accumulator. Hove  
 in 1000 ft. All  
 damage was done  
 to accumulator at  
 720 ft. Small haul.*



Thermometer No. 5670 E, 9  $\frac{2}{10}$

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4178* Date *10 June 1902*  
*Tanner* Machine. Reel.  
 Turns *41* Cor. + *2* Depth *43 fms.*

Shot or lead *26 lb*

Bottom *Gr. M. very fine S.*

Bottom temperature

No. of thermometer *no therm.* Cor.

Corrected temperature

Air *54°* Surface *51°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.15.00</i>	<i>7.15.00</i>	0		
<i>7.15.30</i>	<i>7.15.00</i>	100		
<i>7.16.00</i>	<i>7.15.00</i>	200		
<i>7.16.30</i>	<i>7.15.00</i>	300		
<i>7.17.00</i>	<i>7.15.00</i>	400		
<i>7.17.30</i>	<i>7.15.00</i>	500		
<i>7.18.00</i>	<i>7.15.00</i>	600		
<i>7.18.30</i>	<i>7.15.00</i>	700		
<i>7.19.00</i>	<i>7.15.00</i>	800		
<i>7.19.30</i>	<i>7.15.00</i>	900		
<i>7.20.00</i>	<i>7.15.00</i>	1000		
<i>7.20.30</i>	<i>7.15.00</i>	1100		
<i>7.21.00</i>	<i>7.15.00</i>	1200		
<i>7.21.30</i>	<i>7.15.00</i>	1300		
<i>7.22.00</i>	<i>7.15.00</i>	1400		
<i>7.22.30</i>	<i>7.15.00</i>	1500		
<i>7.23.00</i>	<i>7.15.00</i>	1600		
<i>7.23.30</i>	<i>7.15.00</i>	1700		
<i>7.24.00</i>	<i>7.15.00</i>	1800		
<i>7.24.30</i>	<i>7.15.00</i>	1900		
<i>7.25.00</i>	<i>7.15.00</i>	2000		
<i>7.25.30</i>	<i>7.15.00</i>	2100		
<i>7.26.00</i>	<i>7.15.00</i>	2200		
<i>7.26.30</i>	<i>7.15.00</i>	2300		
<i>7.27.00</i>	<i>7.15.00</i>	2400		

Subsident Point S67° E. 9.0'

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *150 4282* Date *15 Aug 1902**Tanner* Machine. Reel.Turns *23* Cor. + *1* Depth *24 fms.*Shot or lead *26 lb*Bottom *gy. S. br. S. b. brk. Sh. R.*

Bottom temperature

No. of thermometer *No therm.* Cor.

Corrected temperature

Air *54°* Surface *51°* Drift *N 65° E*  
*2/10'*Trawl or dredge *9' Tanner beam trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.25.30</i>	<i>6.24.25</i>	0	<i>9.26.30</i>	<i>9.26.30</i>
<i>5.27.55</i>	<i>6.14.00</i>	<i>500</i>	<i>9.26.30</i>	<i>9.26.30</i>
		200		
		300		
		400		
		500		
		600	<i>Line twisted; not worked; and one turner will be lost.</i>	
		700		
		800		
		900		
		1000		
		1100	<i>One haul, nothing!</i>	
		1200		
		1300		
		1400	<i>Wired as on 15 Aug.</i>	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Heliumnit Point, 866° E., 8 <sup>2</sup>/<sub>10</sub> -

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *11-81* Date *10*

*Tanner* Machine. Reel.

Turns *40* Cor. + *1* Depth

Shot or lead *26 lb*

Bottom *gy. s. br. sp. brk. sp. R*

Bottom temperature

No. of thermometer } *no thermo.* Cor.

Corrected temperature

Air *54°* Surface *51°* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*8.42.40*  
*8.42.20*

*Also marks and of*  
*8.42.82.1*

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

Tulwinnet Point, S 64° E., 8<sup>S</sup>/<sub>16</sub>'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4232. Date '0 1912.

Tanner Machine. Reel.

Turns 29 Cor. + 1 Depth 30 fms

Shot or lead 26 lb

Bottom bk. s. br. s.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface 51° Drift { S 65° E

Trawl or dredge 8' Trawl, Silt, Sand, and shells.

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

50

100

150

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10.22.30

10.40.00

10.57.30

11.15.00

11.32.30

11.50.00

12.07.30

12.25.00

12.42.30

13.00.00

13.17.30

13.35.00

13.52.30

14.10.00

14.27.30

14.45.00

15.02.30

15.20.00

15.37.30

15.55.00

16.12.30

16.30.00

16.47.30

17.05.00

17.22.30

17.40.00

17.57.30

18.15.00

18.32.30

18.50.00

19.07.30

19.25.00

19.42.30



Galium nit Pond S 61° E, 7<sup>5</sup>/<sub>10</sub>'

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

TC Survey 1017

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4284*. Date *10 Nov. 1882*.*Tanner* Machine. Reel.Turns *29* Cor. + *1* Depth *30 fms.*~~Shot or lead~~ *26 lb*Bottom *gn. M. S. R.*

Bottom temperature

No. of thermometer { *No thermo.* Cor.

Corrected temperature

Air *56°* Surface *51°* Drift *1 S. 50° E. 1/10'*Trawl or dredge *8' Tnr. as before.*

## Am. SOUNDING WIRE.

DOWN.

UP.

TURNS.

*10.21.40* *10.22.20*

0

*10.21.40* *10.21.45*~~50~~

200

300

400

500

600

700

800

~~900~~

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## Am. DREDGE ROPE.

DOWN.

UP.

*10.28.00* *10.22.20**10.20.00* *10.22.20**2 min.**10.20.00*  
*Bottom: (have in*  
*at once. Tnr. haul.*  
*No haul in haul.*  
*R.**4284**Inter. Sdg. Tnr.**10.30 - 26 fms.**No terminal Sdg.*  
*haul.*

Inliumout Point, S 61° E., 7 <sup>1</sup>/<sub>10</sub>'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



Tuliusmit Point S 56° E., 6  $\frac{2}{10}$ '

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4286* Date *10 Feb 1902*

Tanner Machine. Reel.

Turns *55* Cor. + *2* Depth *57 fms.*Shot or lead *26 lb*Bottom *fm M. R*

Bottom temperature

*47.0*

No. of thermometer

*98,247*Cor. + *0.2*

Corrected temperature

*47.2**(5760 G)*Air *57°*Surface *55°*

Drift

*2/10'*Trawl or dredge *8' Tanner as before.*

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*11.12.15* *11.14.55**11.12.45* *11.12.00**0**90**100**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**11.19.00* *11.42.10**11.23.25* *11.38.00**15 min.**Fair haul, and**set of sand.**Net very empty**slightly.**also marks end of*  
*Dr 4285.*

Tulium nit. S. 55° E., 5 1/10'

6K  
H. 10.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

February 1897

600.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy. 4782*. Date *10 Aug. 1902*.*Tanner* Machine. Reel.Turns *61* Cor. + *2* Depth *63 fms.*Shot or lead *26 lb.*Bottom *gn. v.*

Bottom temperature.

No. of thermometer *521* thermo. Cor.

Corrected temperature

Air *57°* Surface *55°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.39.20</i>	<i>11.41.20</i>	0		
<i>11.40.10</i>	<i>11.40.15</i>	100		
		200		
<i>Also marks end of No. 4286.</i>		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



Tulinnit Point S53° E, 5  $\frac{3}{70}$ '

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

708 m. 1917.

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

607  
H. W. R.

No. 4587 Date July 14-1902

Tanner Machine. Reel.

Turns 65 Cor. + 2 Depth 67

Shot or lead 26 lbs

Bottom gy M

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 62 Surface 59

Drift 4/12

Trawl or dredge

PM SOUNDING WIRE.

DOWN.	UP.	TURNS.
2.00.30	2.03.30	0
2.00.55	2.01.00	100
		200
		300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

PM DREDGE ROPE.

DOWN.	UP.
1.59.30	2.28.30
2.04.15	2.24.30
Time 20'4" used	

<i>U.S. Fish Com. Kadak Island</i> <i>S. and Johnston Is.</i>		<i>N 56° W., 4 7/10'</i> <i>February 1897</i>	
	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D. 4253* Date *Aug. 14<sup>th</sup> 03**Tanner* Machine. Reel.Turns *65* Cor. + *2*Depth *67 fms*Shot or lead *26 lbs*Bottom *gy M*Bottom temperature *42.8°*No. of thermometer *98247* Cor. *16.2*Corrected temperature *43.0°*Air *62°* Surface *62°* Drift *1/10'*Trawl or dredge *8' Tanner as before*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*2 25.15 2 24.30*

0

*2 33.15 2 22.30**1 26.15 2 26.10*

100

*2 28.15 2 52.45*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*42.8°**20' 6"**2 1/2' as**proceed**2 33.50 2 27.30**67.2 = 69.2**42.8°*

S Eukharistos St., N 60° W., 4 <sup>3</sup> / <sub>10</sub>			
		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4500* Date *Aug 14 1880*  
*Tanner* Machine. Reel.  
 Turns *60* Cor. + *2* Depth  
 Shot or lead *26 lbs*  
 Bottom *gy M*  
 Bottom temperature *42.0*  
 No. of thermometer *98247* Cor. + *0.2*  
 Corrected temperature *42.2*  
 Air *63.0* Surface *58.0* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>59 15</i>	<i>2.03.00</i>	0		
<i>0.00</i>	<i>3.02.50</i>	100		
		200		
		300		
	<i>42.08</i>	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Stead, Herman H. Nelson. 3 <sup>6</sup>/<sub>10</sub>

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

if C. S. ...

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4289* Date *Aug 14/93*

Machine. Reel.

Turns *78* Cor. + *2* Depth *80 fms*Shot or lead *26 lbs*Bottom ~~*Sh. G.*~~ *gy. M.*Bottom temperature *42°*No. of thermometer *98247* Cor. *+0.2*Corrected temperature *42.2°* (*3135°*)Air Surface *58°* Drift *2/10'*

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*19.00**18.00*

0

50

100

150

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*3. 15. 00**17. 00**19. 15**3. 20. 30**3. 35. 45**3. 40. 15**38. 15**35. 20**Time 15' 4"**Good haul**Shrimps, crabs, etc.**Myxine, etc.*



2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

0076  
*April*

No. *1290* Date *Aug. 14 - 1912*

*Sigsbee* Machine. Reel. *9*

Turns *96* Cor. + *3* Depth *99 fms.*

Shot or lead *26 lbs*

Bottom *gy. M. fine bk S (sft)*

Bottom temperature

No. of thermometer } *no therm.* Cor.

Corrected temperature } *(truth)*

Air *60* Surface *58* Drift *3/10'*

Trawl or dredge

SOUNDING WIRE		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
<i>2 57.00</i>	<i>3 59 40</i>	0	<i>2 55.10</i>	<i>4 22.00</i>
<i>2 18.00</i>	<i>2 17.05</i>	100	<i>29.15</i>	<i>18.15</i>
		<i>150</i>	<i>4 01.20</i>	<i>5 10.20</i>
		200		
		300		
		400	<i>15 min.</i>	
		500	<i>Fine sand, shale,</i>	
		600	<i>strings, sponges,</i>	
		700	<i>etc.</i>	
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*No terminal S.S.  
 after this haul*

St. Louis, Missouri, S. 28° 27' N, 18° 10' W

82  
80  
78

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

17 Sunday 1917

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4271* Date *Aug 15 1881**Tanner* Machine. Reel. *6*Turns *63* Cor. + *2* Depth *65*Shot or lead *26 lbs*Bottom *bu M, S. G.*

Bottom temperature

No. of thermometer *none used* Cor. *—*

Corrected temperature

Air *66°* Surface *57°* Drift *1510 1/10*Trawl or dredge *3' beam 140' ...*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.00.00</i>	<i>9.02.10</i>	<i>0</i>	<i>8 59.10</i>	<i>9.22.45</i>
<i>01.00</i>	<i>01.05</i>	<i>50</i>		<i>26.30</i>
		<i>70 100</i>	<i>9.01</i>	
		<i>75 200</i>	<i>9.02.15</i>	<i>26.30</i>
		<i>100 300</i>	<i>04.15</i>	<i>9.27.20</i>
		<i>400</i>		
		<i>500</i>	<i>7.20.00</i>	
		<i>600</i>		
		<i>700</i>	<i>Since ...</i>	
		<i>800</i>	<i>... 10 ...</i>	
		<i>900</i>	<i>... 10 ...</i>	
		<i>1000</i>	<i>... 10 ...</i>	
		<i>1100</i>	<i>... 10 ...</i>	
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Shilkoof Sound, Cape Henry, Va.  
 Cape Henry, 55° 71', 75° 10'

2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

2500-2700

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4721* Date *Aug 15, 89*

Tanner. Machine. Reel.

Turns *46* Cor. + *2*

Depth *48 fms*

Shot or lead *26 lbs*

Bottom *fw. M. S. G.*

Bottom temperature

No. of thermometer *none used* Cor.

Corrected temperature

Air *66°* Surface *57* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*9. 24.00* *9 24.50*  
*24.40* *24.45*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*This m...*

*Dr 1/2 91*

Cape Nyak, 5540m., 7<sup>9</sup> 15

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

AS = 8500.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D. 4207 Date June 5, 1901

Tanner Machine. Reel 10

Turns 99 Cor. + 3 Depth 102 fms

Shot or lead 26 lbs

Bottom bu M, fine S.

Bottom temperature 39.6°

No. of thermometer 2624 Cor. + 0.2

Corrected temperature 39.8° (53.1° W)

Air " Surface 57.0° Drift 1/40'

Trawl or dredge S' J. ...

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4:30	9:54.00	0	7:40.30	10:20.15
4:50	9:52.00	100	53.10	92.00
		150	56.50	10:21.15
		300		
		400	Time 24 <sup>3</sup> / <sub>4</sub> min.	
		500		
		600	Sponges, sponges	
		700		
		800	Gaskets, etc.	
		900		
		1000	shellfish etc	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



Cape Hatteras, 5410 ft. 7<sup>2</sup>/<sub>10</sub>

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

CS-48500-

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *H 4785* Date *Aug 15 02*

Tanner Machine. Reel.

Turns *91* Cor. *+3*

Depth *94 fms*

Shot or lead *26 lbs*

Bottom *bu M, fine S.*

Bottom temperature

No. of thermometer *none used* Cor. *—*

Corrected temperature

Air *66°* Surface *57°* Drift

~~Trawl or dredge~~

SOUNDING WIRE.

*com* DREDGE ROPE.

*Alm* DOWN.

UP.

TURNS.

DOWN.

UP.

*10* *11.20*

*10* *10.20*

0

*10* *11.30*

*10* *10.30*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cape Nyak, S. 41° W. 6<sup>2</sup>/<sub>10</sub>'

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D. 2222* Date *Aug. 15, 03*

Tanner Machine. Reel. *4*

Turns *109* Cor. + *3* Depth *112 fms*

Shot or lead *26 lbs*

Bottom *bu M, fine S*

Bottom temperature

No. of thermometer *none used* Cor. *—*

Corrected temperature

Air *55°* Surface *57°* Drift *1.0'*

Trawl or dredge *8' Tanner as before*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>10. 45.30</i>	<i>10. 48.00</i>	<i>0</i>	<i>10. 45.30</i>	<i>11. 18.00</i>
<i>46.10</i>		<i>100</i>	<i>49.30</i>	<i>14.15</i>
		<i>150</i>	<i>51.30</i>	<i>11.12.00</i>
		<i>200</i>		
		<i>300</i>		
		<i>400</i>	<i>20.12.00</i>	
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Cape Haze, S 56° 20', 58° 10'

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

186-174-

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D. 4294* Date *Aug 15 07**Tanner* Machine. Reel.Turns *103* Cor. + *3* Depth *106 fms*Shot or lead *26 lbs*Bottom *bu M, fm S.*

Bottom temperature

No. of thermometer *none used* Cor. —

Corrected temperature

*(S 25° W)*Air *65°* Surface *65°* Drift *6/10*Trawl or dredge *5' 1/2*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.18.00</i>	<i>11.21.00</i>	0	<i>11.21.15</i>	<i>11.46.15</i>
<i>19.00</i>	<i>19.00</i>	100	<i>25.00</i>	<i>42.15</i>
<i>24.29.3 Dr</i>		150	<i>26.45</i>	<i>11.41.15</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Time 14 1/2 min.**no catch**100 turns + 3 = 103 fms*

Cape May, S 16 m, 4.0'

11. 41. 15

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

CS-2 155

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4786* Date *Aug 15, 05*  
*Tanner* Machine. Reel.  
 Turns *94* Cor. + *3* Depth *97 fms*  
 Shot or lead *35 lb*  
 Bottom *bn M, fine*  
 Bottom temperature \_\_\_\_\_  
 No. of thermometer *not used* Cor. \_\_\_\_\_  
 Corrected temperature \_\_\_\_\_  
 Air *65°* Surface *60°* Drift \_\_\_\_\_

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11 45</i>	<i>11. 45. 00</i>	0		
	<i>43. 45</i>	100		
	<i>45. 45</i>	200		
	<i>47. 45</i>	300		
	<i>49. 45</i>	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



Cape Nyahur S 17° 44', 3.0'

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

CE 125 5 11 15

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 504295. Date 15 Aug. 1903.

Tanner Machine. Reel.

Turns 89. Cor. + 3. Depth 92 fms.

Shot or lead 26 lb.

Bottom sf. gy. M.

Bottom temperature

No. of thermometer } No thermos. Cor.

Corrected temperature

Air 63° Surface 56° Drift } S 11° E  
12/10'

Trawl or dredge 8' Tnr, sinter

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.02.40	1.04.50	0	1.02.00	1.32.45
1.02.10	1.02.30	100	1.06.00	1.29.55
		<del>170</del> 200	1.09.50	1.28.20
		300		
		400	20 min.	
1/4 Terminal Log.		500	Thin sand: 1' shell,	
after 10 min.		600	small fish, shafish,	
		700	shrimps, etc.	
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Rope Used. N 1208, 4<sup>3</sup> 10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

C8485AD-

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D-4296*Date *August 12 1881*

Tanner

Machine.

Reel.

Turns *34* Cor. + *1*Depth *35 fms*Shot or lead *26 lbs.*Bottom *gy. sh. S.*

Bottom temperature

No. of thermometer *101*

Cor.

Corrected temperature

Air *57°* Surface *57°*Drift *(N 80° W) 14/10'*Trawl or dredge *8' 140 lb. - in. R. 12' 140 lb.*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## ALL DREDGE ROPE.

DOWN.

UP.

*49.00**51.50**0**9**49.45**10 11.45**45**49.30**100**51.30**600**52.15 10, 07.30**300**400**time 17 1/4 min.**500**600**5 min. 7. 1/2 min.**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

11 miles 1500 fms  
 unknown 1600 fms - 5740 fms, 1-10'

	2500	
	2600	
	2700	807455
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS:

Aug. 17<sup>th</sup>, 1903. While zig zag  
 position last 14 fms under  
 a 26<sup>th</sup> day. Corde broken  
 changed by 14 fms during that  
 time. 2nd day 2<sup>nd</sup> day  
 and dropped to the surface  
 3000.

No. *Dr: 4297* Date *Aug 18. 03*

Tamers Machine. Reel.

Turns *36* Cor. + *1* Depth *37 fms*

Shot or lead

Bottom

Bottom temperature *45.8°*

No. of thermometer *98247* Cor. + *0.2*

Corrected temperature *46.0°* (*N 64° W*)

Air *59°* Surface *56°* Drift *3/10'*

Trawl or dredge *8' Tanner as*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.12.00</i>		0	<i>10.19.00</i>	<i>44.30</i>
<i>30</i>	<i>10.14.00</i>	<i>50</i>	<i>1.00</i>	
		<i>60</i>	<i>22.30</i>	<i>12.41.00</i>
		300		
		400	<i>time 18 1/2 min</i>	
		500		
		600		
<i>10.20.00</i>	<i>10.22.00</i>	700		
<i>20.35</i>	<i>10.20.40</i>	800		
<i>no thermom</i>		900		
<i>36 turns</i>		1000		
<i>Cor. 1+ 37 fms</i>		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Inkaw Head, S 50° W, 8/10'

	2500	
	2600	
	2700	C8484
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

501. W.R.

No. 24298

Date Aug. 15

Tanner

Machine.

Reel.

Turns 34 Cor. + 1

Depth 35 fms

Shot or lead

Bottom bu M, gy S

Bottom temperature

No. of thermometer not used

Cor. —

Corrected temperature

(N 31° W)

Air

Surface

Drift 4/10'

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

4th DREDGE ROPE.

DOWN.

UP.

10. 42.00 10. 45.3  
43.30 44.35

10. 48.30 11. 17.30

50.00

400

52.30 10 15.40

600

200

time 23 1/4 m

300

400

500

600

Intermediate

10. 48.00 10. 50.05  
51.30 49.35

700

800

32 turns, cor. 1+, 33 fms  
bu M, gy S

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



St. Lawrence 52270, 7/10

	2500	
	2600	0828455.
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4787* Date *Aug. 18 - '02.**Tanner* Machine. Reel.Turns *29* Cor. + *1*Depth *30 fms*Shot or lead *26 lbs*Bottom *gy. S.*

Bottom temperature

No. of thermometer *not used*

Cor. —

Corrected temperature

Air *59°* Surface *56°* Drift~~Trawl or dredge~~

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*pm* 11.51.45 11.55.30

2.45 55.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Ankara Head, S. 74. 1' 10'

612  
3110

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

65-25-45

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Dr. 12.17

Date

24

Feb.

1903.

Machine.

Reel.

Turns 149. Cor. +

4

Depth 153 fms.

Shot or lead 26 lb

Bottom S.R.

Bottom temperature

No. of thermometer No therm. Cor.

Corrected temperature

Air 60° Surface 48° Drift

{ N 120 E  
1 1/10'

Trawl or dredge 8' Tur. Sigsbee

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.57.00

10.02.05

0

57.50

10.00.05

100

01.50

11.35.00

9.58.20

9.58.45 (49)

200

01.30

11.30.00

225

300

12.00.00

12.21.00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

<i>Station 8121, off the coast of America,</i>		2500	<i>275° N, 5.0'</i>
		2600	
		2700	<i>8548050.</i>
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
<i>17.1</i>	<i>1</i>	3900	
<i>17.2</i>	<i>1</i>	4000	

*149*

SERIAL TEMPERATURES.

*153 fms.*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 1500. Date 24 Aug. 1902.

Machine. Reel.

Turns 213 Cor. + 5 Depth 218 fms.

Shot or lead 26 lb

Bottom M. R.

Bottom temperature

No. of thermometer (No thermo. Cor.

Corrected temperature

Air 60° Surface 60° Drift 10'

Trawl or dredge 8' 3" no. 100.

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

10.32.15 10.42.30

0

10.47.15 11.17.30

33.30 37.10

100

51.00 12.30

34.25 38.15

200

54.20 09.00

10.34.35 10.34.35

300

10.57.55 05.00

350

400

11.03.00

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Also marks on

of

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

10.42.30

Lead not tangled  
up in net, hence the  
time between 100 and  
up, while clearing  
lead from net.

Trawl when Sdr.

11 am. 185 fms

M.

11 am. 185 fms

M.

11 am. 185 fms

M.

11 am. 185 fms

M.

11 am. 185 fms

M.

11 am. 185 fms

M.

11 am. 185 fms

M.

11 am. 185 fms

M.

To terminal Sdr.  
after this haul.

P. Amelino, 577° 76'	2500	5.5'
	2600	
	2700	0.5° 80.50.
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4301.* Date *24 Aug. 03.*

Tanner Machine Reel.

Turns *167* Cor. + *4* Depth *171 fms.*Shot or lead *26 lb*Bottom *Sy. S. C. M.*

Bottom temperature

No. of thermometer *220* Inverted Cor.

Corrected temperature

Air *55.0* Surface *49.0* Drift *5/27.05*  
*14/15*Trawl or dredge *8' Fur. as before.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.27.00</i>	<i>11.32.30</i>	0	<i>11.28.00</i>	<i>11.36.15</i>
<i>28.30</i>	<i>30.40</i>	100	<i>31.00</i>	<i>52.05</i>
<i>11.29.00</i>	<i>11.29.20</i>	200	<i>34.00</i>	<i>19.40</i>
		<del>300</del>	<i>11.25.00</i>	<i>11.49.00</i>
		400		
		500	<i>12 min.</i>	
<i>To terminal 300.</i>		600	<i>Not in use.</i>	
<i>after this haul.</i>		700		
		800	<i>Not in use.</i>	
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



St. Andrew, 8790710, 4<sup>5</sup>/<sub>10</sub>

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4302* Date *Aug 24-03.*

*Sigsbee* Machine. Reel.

Turns *207* Cor. + *5* Depth *212 fms*

Shot or lead *26 lbs*

Bottom *br M*

Bottom temperature *44°*

No. of thermometer *12229* Cor. *+0.2*

Corrected temperature *44.2°*

Air *54°* Surface *50°* Drift *5/10'*

Trawl or dredge *3'*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*1.01.00* *1.09.15*

*1.03.30* *05.00*

*0*

*50*

*100*

*200*

*Bottom*

*250*

*300*

*500*

*600*

*700*

*800*

*900*

*1000*

*1100*

*1200*

*1300*

*1400*

*1500*

*1600*

*1700*

*1800*

*1900*

*2000*

*2100*

*2200*

*2300*

*2400*

*1.12.15* *1.58.30*

*1.14.30* *54.45*

*16.00* *51.30*

*17.45* *48.00*

*19.45* *44.15*

*20.15* *40.00*

*21.45* *36.00*

*23.30* *32.00*

*25.00* *28.00*

*26.30* *24.00*

*28.00* *20.00*

*29.30* *16.00*

*31.00* *12.00*

*32.30* *08.00*

*34.00* *04.00*

*35.30* *00.00*

*37.00* *56.00*

*38.30* *52.00*

*40.00* *48.00*

*41.30* *44.00*

*43.00* *40.00*

*44.30* *36.00*

*46.00* *32.00*

*47.30* *28.00*

*49.00* *24.00*

*50.30* *20.00*

*52.00* *16.00*

*53.30* *12.00*

*55.00* *08.00*

*56.30* *04.00*

*58.00* *00.00*

*59.30* *56.00*

*61.00* *52.00*

*62.30* *48.00*

*64.00* *44.00*

*65.30* *40.00*

*67.00* *36.00*

*68.30* *32.00*

*70.00* *28.00*

*71.30* *24.00*

*73.00* *20.00*

*74.30* *16.00*

*76.00* *12.00*

*77.30* *08.00*

*79.00* *04.00*

*80.30* *00.00*

*82.00* *56.00*

*83.30* *52.00*

*85.00* *48.00*

*86.30* *44.00*

*88.00* *40.00*

*89.30* *36.00*

*91.00* *32.00*

*92.30* *28.00*

*94.00* *24.00*

*95.30* *20.00*

*97.00* *16.00*

*98.30* *12.00*

*100.00* *08.00*

*101.30* *04.00*

*103.00* *00.00*

*104.30* *56.00*

*106.00* *52.00*

*107.30* *48.00*

*109.00* *44.00*

*110.30* *40.00*

*112.00* *36.00*

*113.30* *32.00*

*115.00* *28.00*

*116.30* *24.00*

*118.00* *20.00*

*119.30* *16.00*

*121.00* *12.00*

*122.30* *08.00*

*124.00* *04.00*

*125.30* *00.00*

*127.00* *56.00*

*128.30* *52.00*

*130.00* *48.00*

*131.30* *44.00*

*133.00* *40.00*

*134.30* *36.00*

*136.00* *32.00*

*137.30* *28.00*

*139.00* *24.00*

*140.30* *20.00*

*142.00* *16.00*

*143.30* *12.00*

*145.00* *08.00*

*146.30* *04.00*

*148.00* *00.00*

*149.30* *56.00*

*151.00* *52.00*

*152.30* *48.00*

*154.00* *44.00*

*155.30* *40.00*

*157.00* *36.00*

*158.30* *32.00*

*160.00* *28.00*

*161.30* *24.00*

*163.00* *20.00*

*164.30* *16.00*

*166.00* *12.00*

*167.30* *08.00*

*169.00* *04.00*

*170.30* *00.00*

*172.00* *56.00*

*173.30* *52.00*

*175.00* *48.00*

*176.30* *44.00*

*178.00* *40.00*

*179.30* *36.00*

*181.00* *32.00*

*182.30* *28.00*

*184.00* *24.00*

*185.30* *20.00*

*187.00* *16.00*

*188.30* *12.00*

*190.00* *08.00*

*191.30* *04.00*

*193.00* *00.00*

*194.30* *56.00*

*196.00* *52.00*

*197.30* *48.00*

*199.00* *44.00*

*200.30* *40.00*

*202.00* *36.00*

*203.30* *32.00*

*205.00* *28.00*

*206.30* *24.00*

*208.00* *20.00*

*209.30* *16.00*

*211.00* *12.00*

*212.30* *08.00*

*214.00* *04.00*

*215.30* *00.00*

*217.00* *56.00*

*218.30* *52.00*

*220.00* *48.00*

*221.30* *44.00*

*223.00* *40.00*

*224.30* *36.00*

*226.00* *32.00*

*227.30* *28.00*

*229.00* *24.00*

*230.30* *20.00*

*232.00* *16.00*

*233.30* *12.00*

*235.00* *08.00*

*236.30* *04.00*

*238.00* *00.00*

*239.30* *56.00*

*241.00* *52.00*

*242.30* *48.00*

*244.00* *44.00*

*245.30* *40.00*

*247.00* *36.00*

*248.30* *32.00*

*250.00* *28.00*

*251.30* *24.00*

*253.00* *20.00*

*254.30* *16.00*

*256.00* *12.00*

*257.30* *08.00*

*259.00* *04.00*

*260.30* *00.00*

*262.00* *56.00*

*263.30* *52.00*

*265.00* *48.00*

*266.30* *44.00*

*268.00* *40.00*

*269.30* *36.00*

*271.00* *32.00*

H. Amalino, S 80° 71, 55 10

	2500	
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C846050.

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2000 W. R.

No. *Hy 4758* Date *Aug 24 1881*

*Tanner* Machine. Reel.

Turns *155* Cor. + *4* Depth *169* fms

Shot or lead *26 lbs*

Bottom *gn M, S*

Bottom temperature

No. of thermometer *none used* Cor.

Corrected temperature

Air *55°* Surface *54°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.50.05</i>	<i>1.55.10</i>	0		
<i>50.10</i>	<i>55.15</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
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		1000		
		1100		
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		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*W. 4302*  
*and deep work*

St. Amelius, 5810 N, 6.2'

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	2600	28.50
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*No.* *Date*  
*Machine.* *Reel.*  
*Turns* *Cor. +* *Depth*  
*Shot or lead*  
*Bottom*  
*Bottom temperature*  
*No. of thermometer* *Cor.*  
*Corrected temperature*  
*Air* *Surface* *Drift*  
*Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
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## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
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200				
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1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
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		600		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

*No.* *Date*  
*Machine.* *Reel.*  
*Turns* *Cor. +* *Depth*  
*Shot or lead*  
*Bottom*  
*Bottom temperature*  
*No. of thermometer* *Cor.*  
*Corrected temperature*  
*Air* *Surface* *Drift*  
*Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

*No.* *Date*  
*Machine.* *Reel.*  
*Turns* *Cor. +* *Depth*  
*Shot or lead*  
*Bottom*  
*Bottom temperature*  
*No. of thermometer* *Cor.*  
*Corrected temperature*  
*Air* *Surface* *Drift*  
*Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
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		600		
		700		
		800		
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## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

*No.* ..... *Date* .....  
*Machine.* ..... *Recl.* .....  
*Turns* ..... *Cor. +* ..... *Depth* .....  
*Shot or lead* .....  
*Bottom* .....  
*Bottom temperature* .....  
*No. of thermometer* ..... *Cor.* .....  
*Corrected temperature* .....  
*Air* ..... *Surface* ..... *Drift* .....  
*Trawl or dredge* .....

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

*No.* *Date*  
*Machine.* *Reel.*  
*Turns* *Cor. +* *Depth*  
*Shot or lead*  
*Bottom*  
*Bottom temperature*  
*No. of thermometer* *Cor.*  
*Corrected temperature*  
*Air* *Surface* *Drift*  
*Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
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## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

*No.* *Date*  
*Machine.* *Reel.*  
*Turns* *Cor. +* *Depth*  
*Shot or lead*  
*Bottom*  
*Bottom temperature*  
*No. of thermometer* *Cor.*  
*Corrected temperature*  
*Air* *Surface* *Drift*  
*Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
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# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

*No.* *Date*  
*Machine.* *Reel.*  
*Turns* *Cor. +* *Depth*  
*Shot or lead*  
*Bottom*  
*Bottom temperature*  
*No. of thermometer* *Cor.*  
*Corrected temperature*  
*Air* *Surface* *Drift*  
*Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
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# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
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# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of thermometer**Cor.**Corrected temperature**Air**Surface**Drift**Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
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		700		
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# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
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		500		
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### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
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700				
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900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
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# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
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400				
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900				
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REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
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		700		
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